



23351
PATENT TRADEMARK OFFICE

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FIG. 1

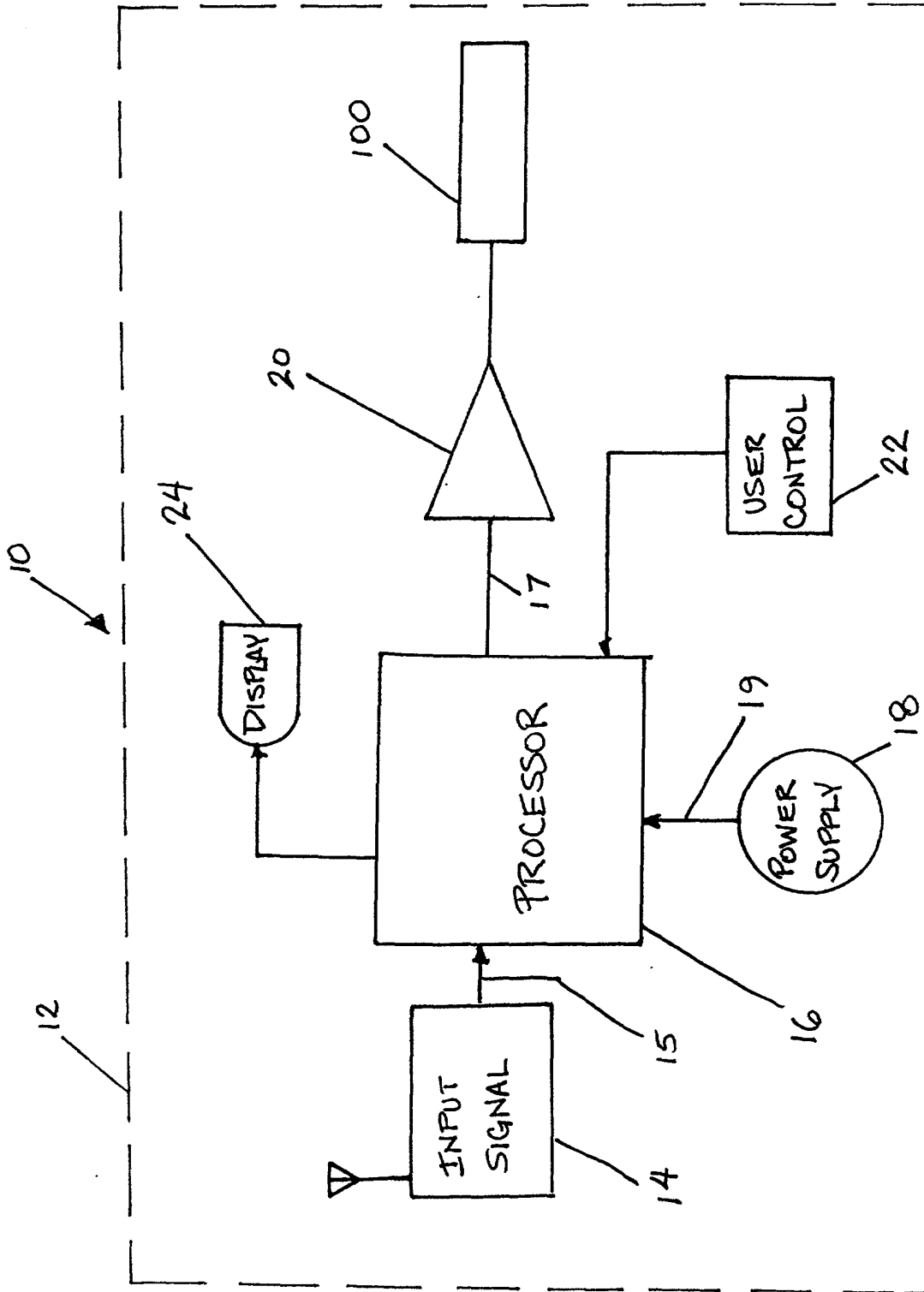


FIG. 1

FIG. 2

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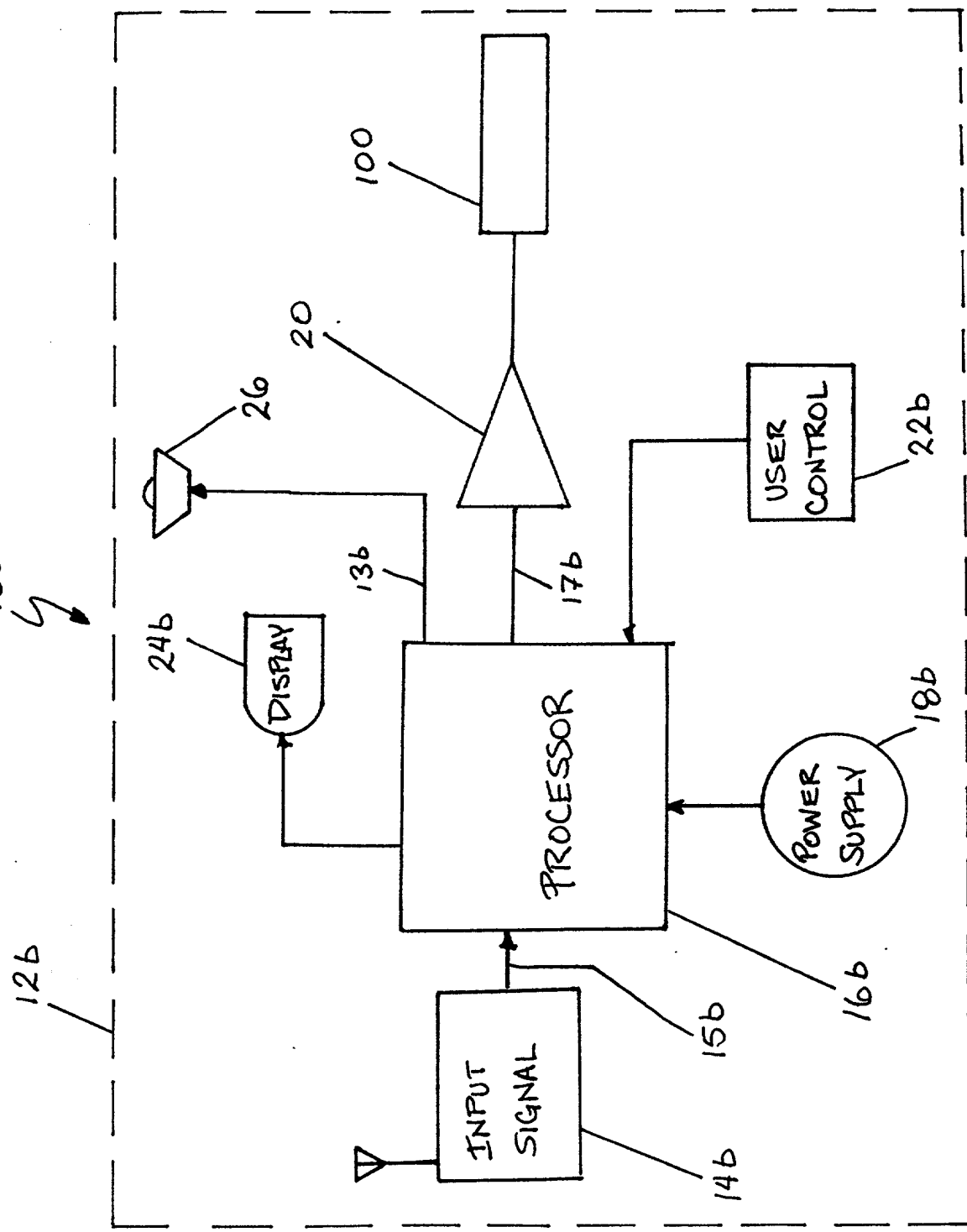
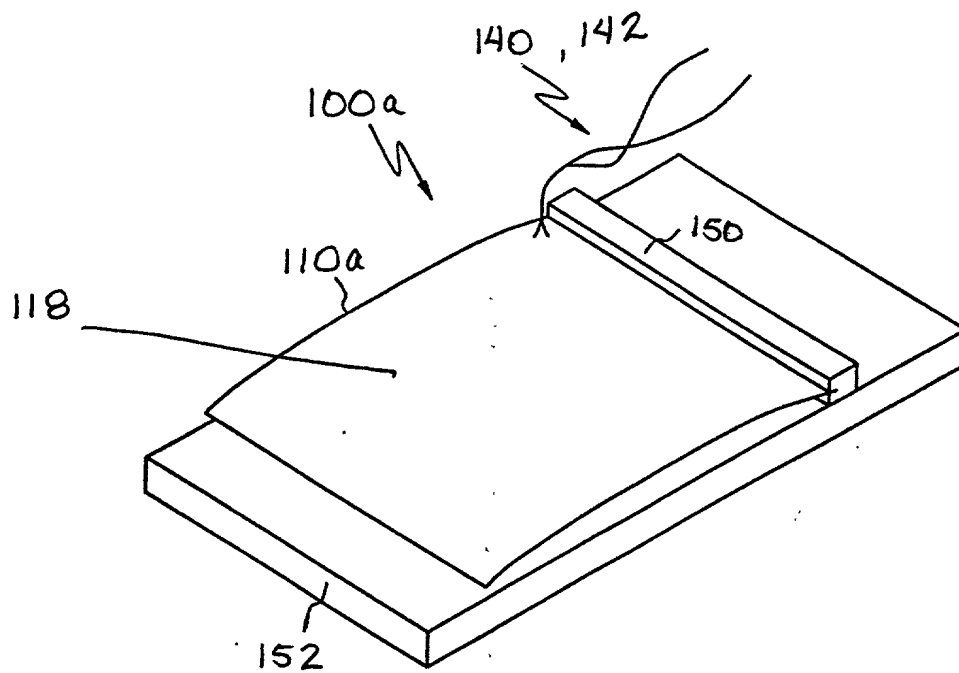
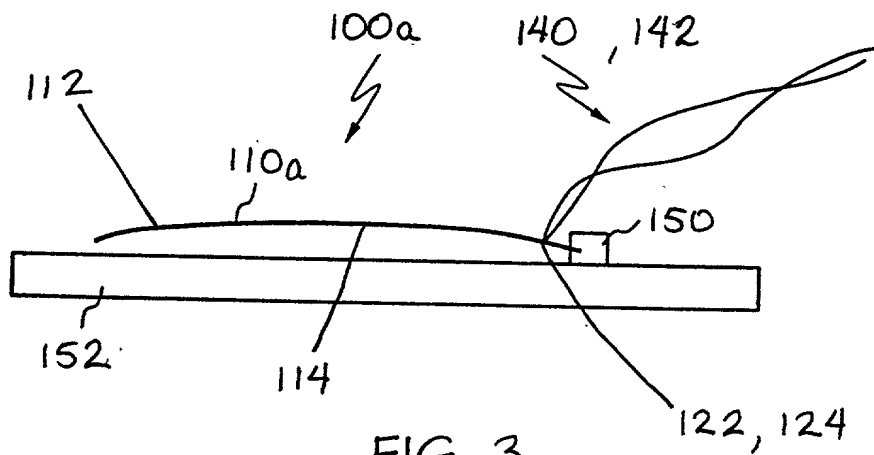


FIG. 2

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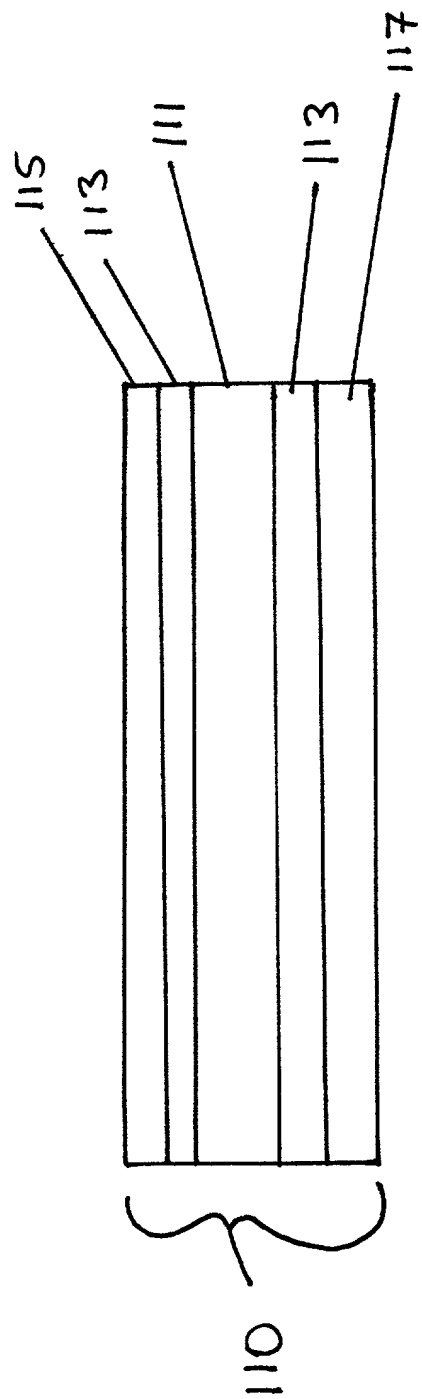


FIG. 5

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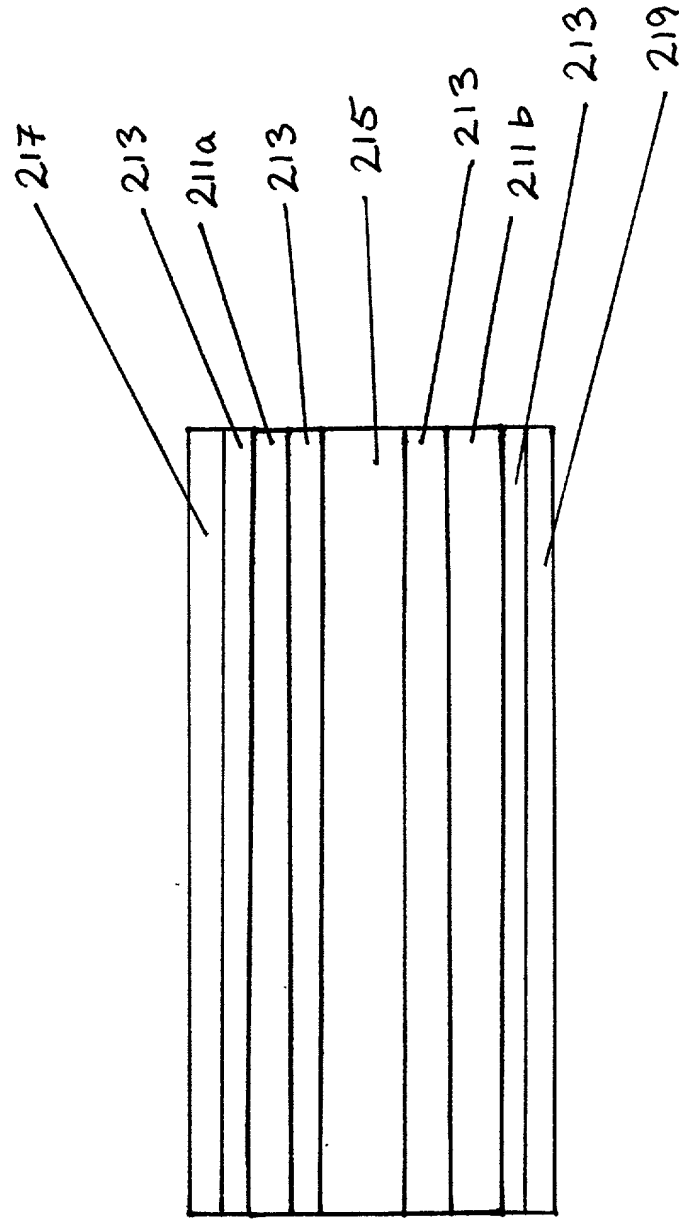


FIG. 6

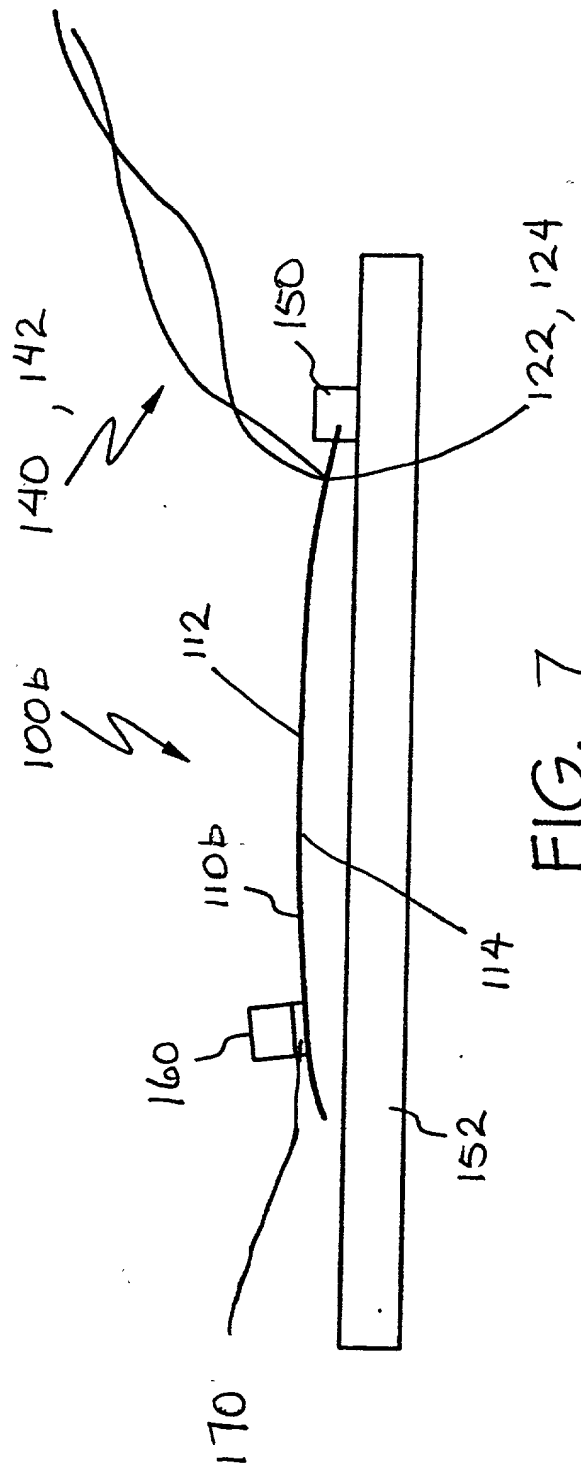


FIG. 7

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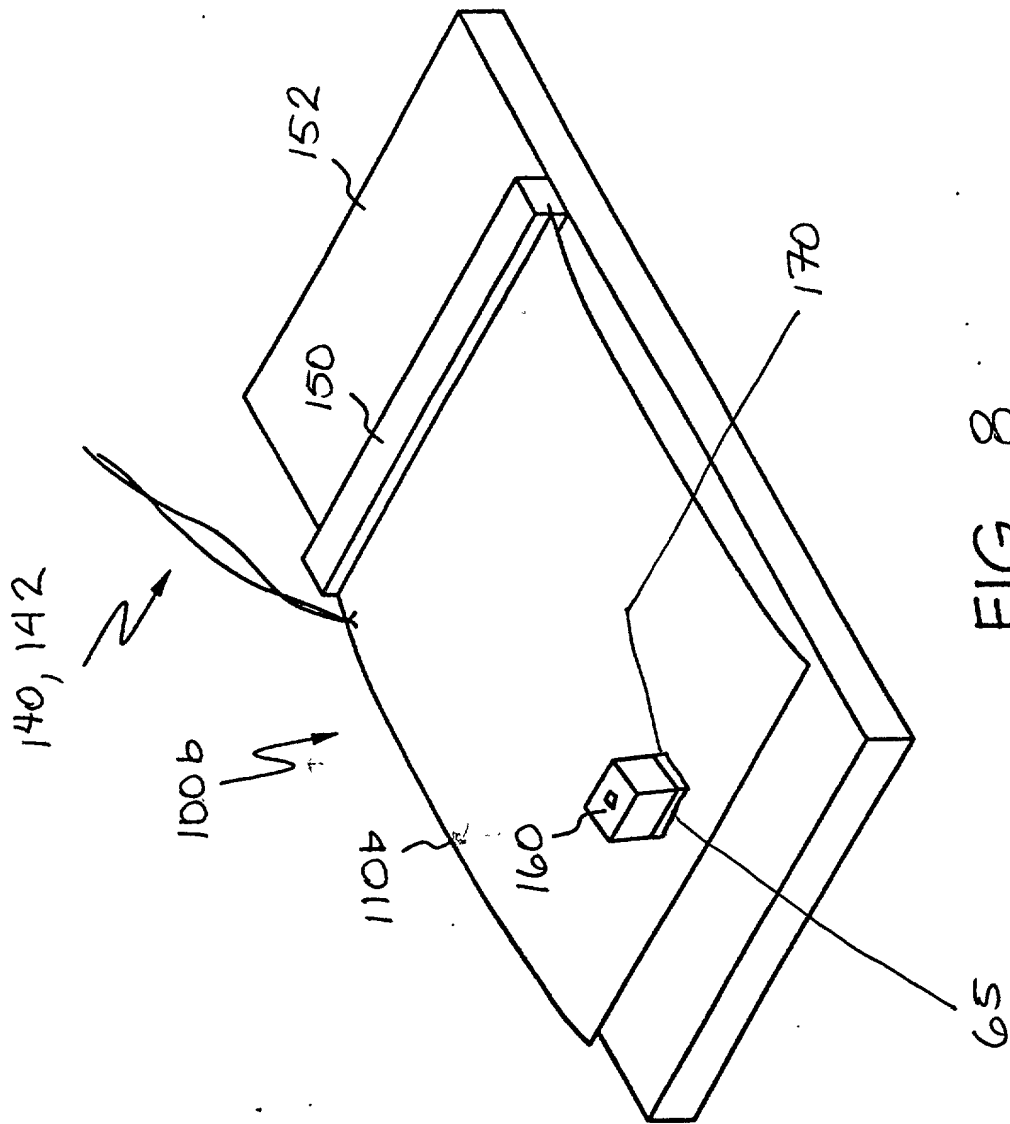


FIG. 8

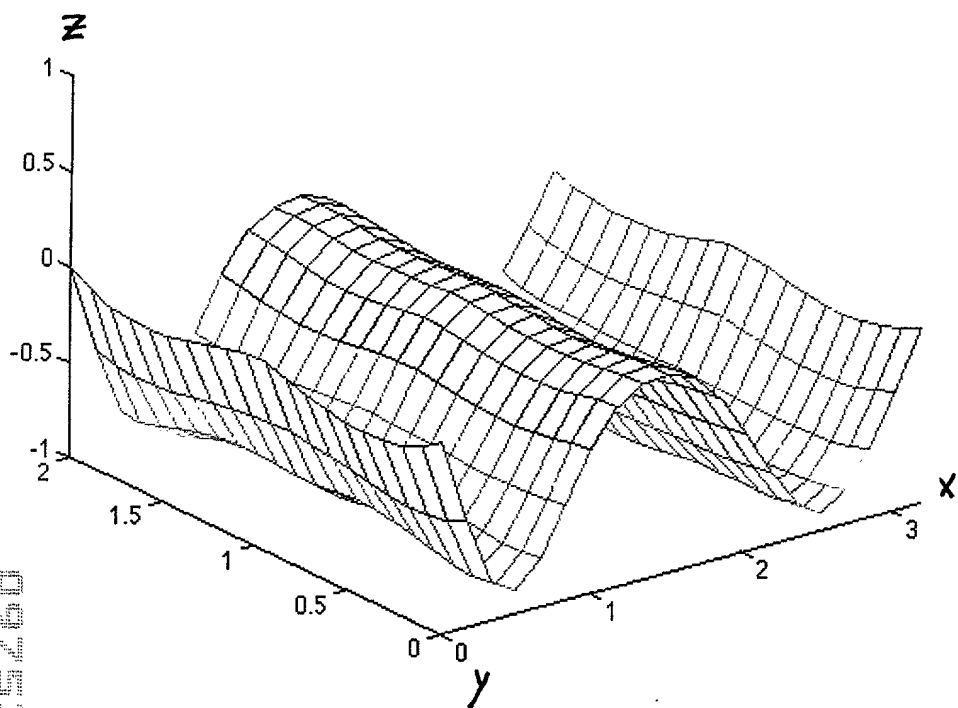


FIG. 9A

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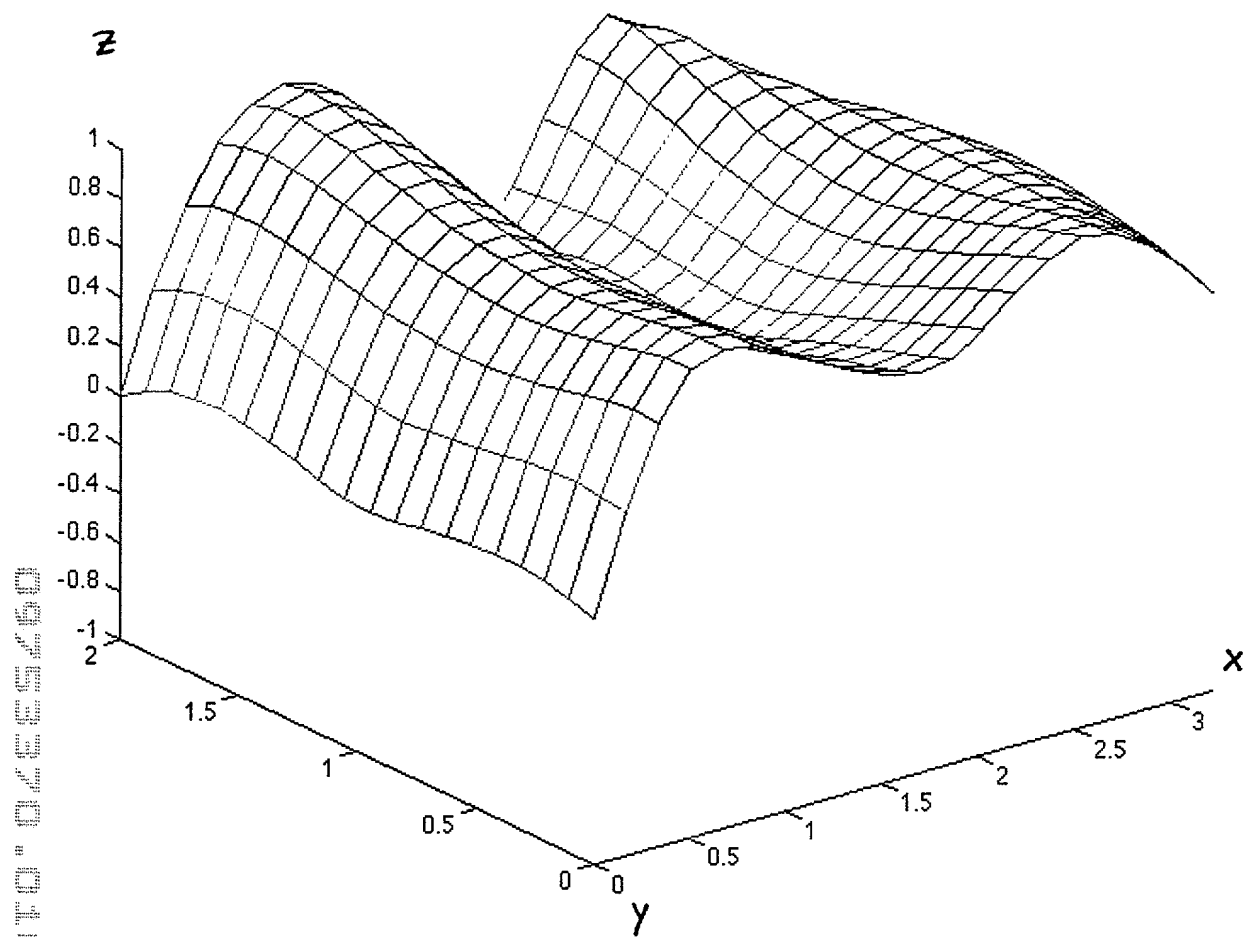


FIG. 9B

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— Anti-node line (67)
 Node line (69)

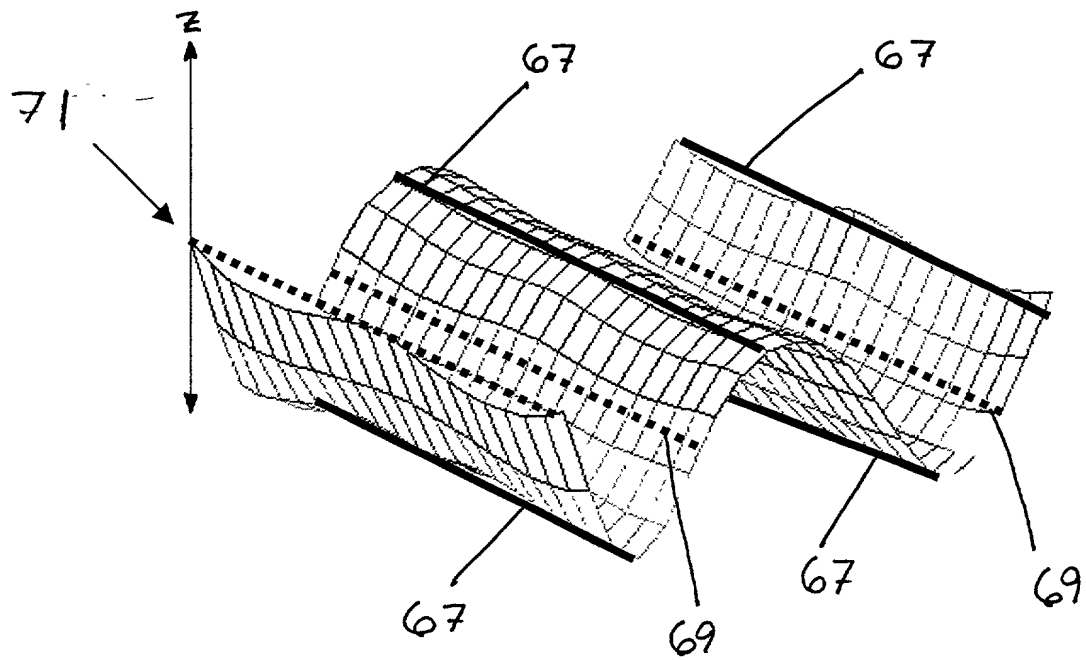


FIG. 10 .

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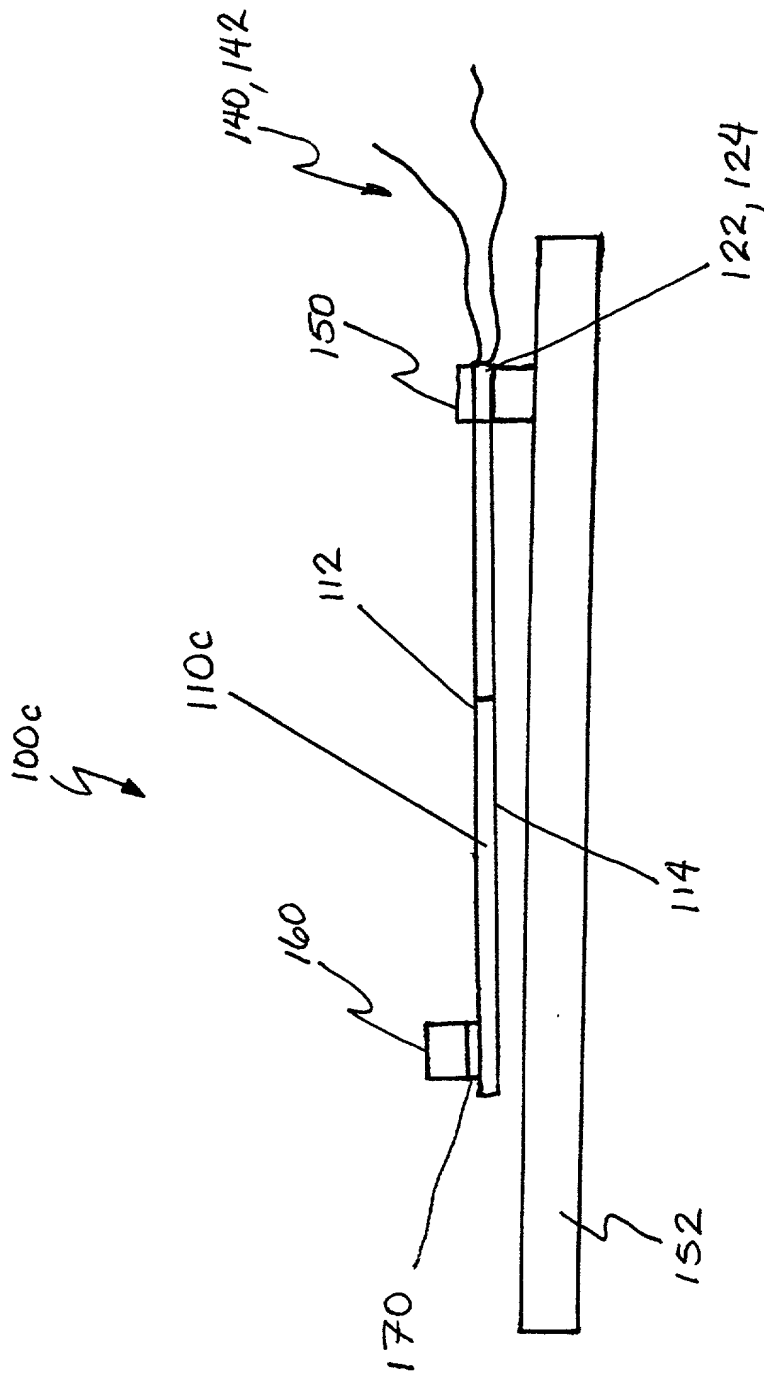
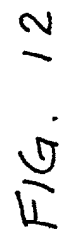


FIG. 11

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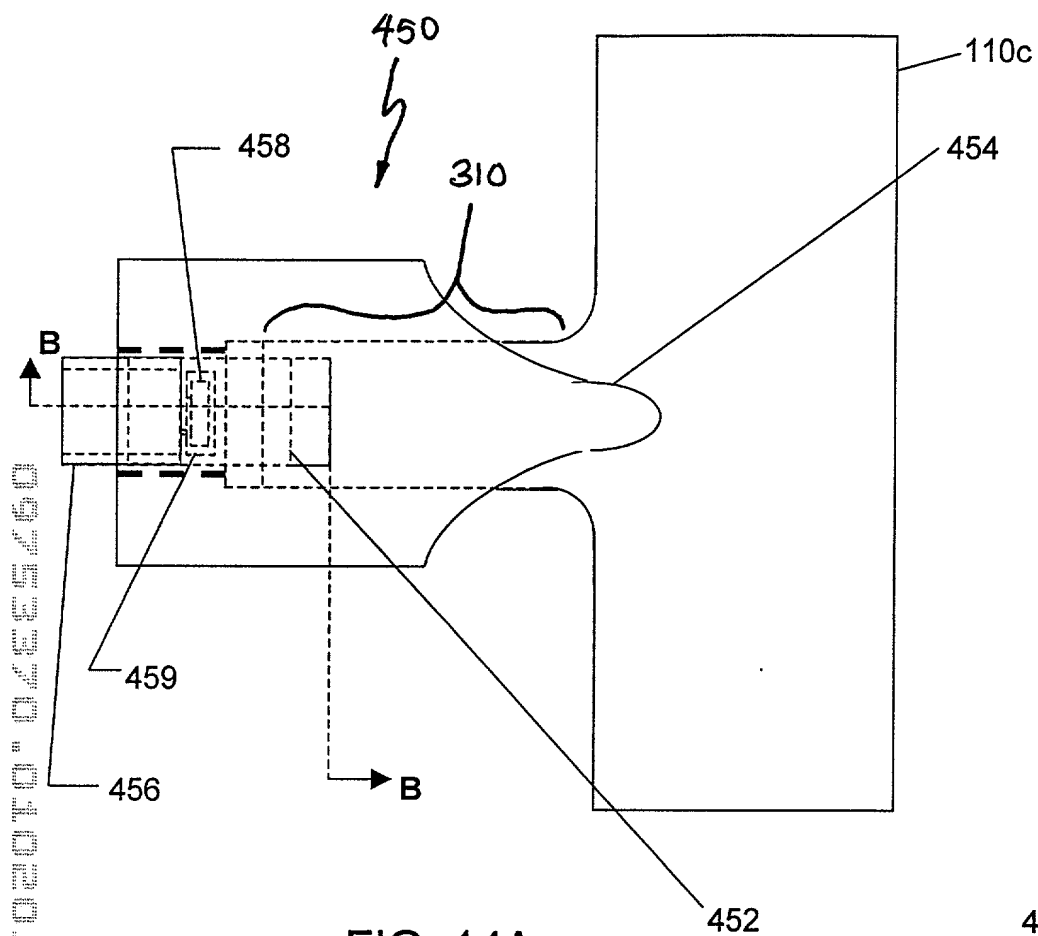


FIG. 14A

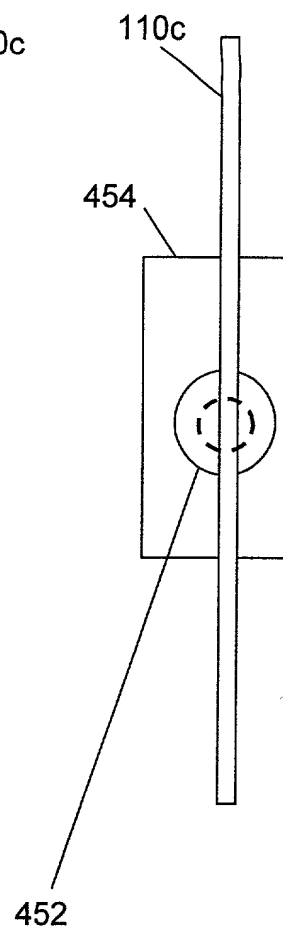


FIG. 14C

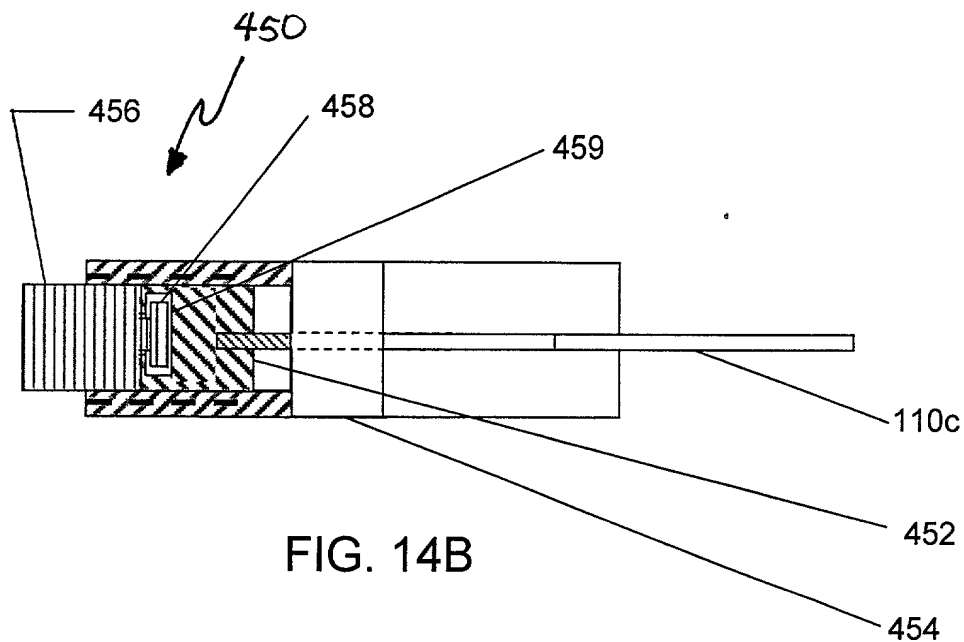


FIG. 14B

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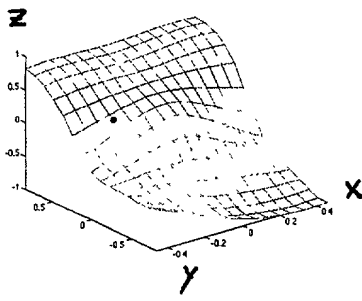


FIG. 15A Mode shape at 176 Hz

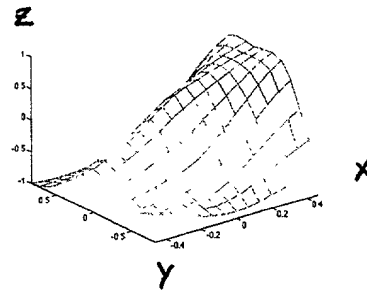


FIG. 15B Mode shape at 530 Hz

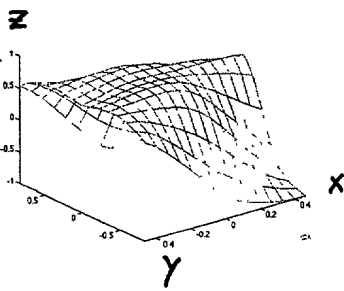


FIG. 15C Mode shape at 977 Hz

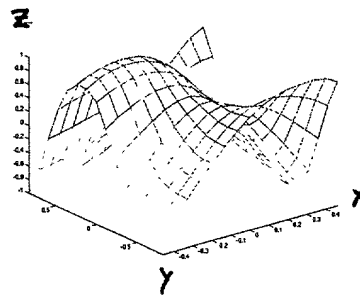


FIG. 15D Mode shape at 1730 Hz

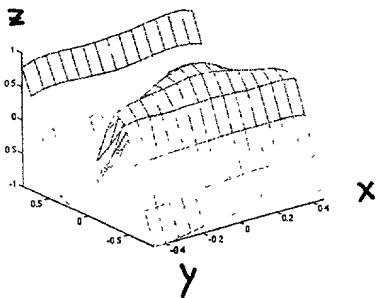


FIG. 15E Mode shape at 1898 Hz

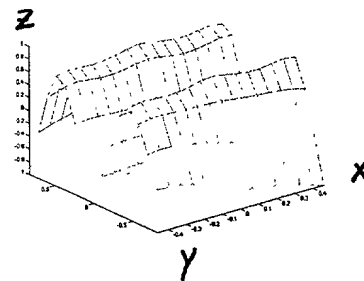


FIG. 15F Mode shape at 3580 Hz

FIG. 15

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- Anti-Node Line – In Phase (67)
- • • • • Node Line (69)
- ■ ■ ■ ■ Anti-Node Line – Out-of-Phase (67)

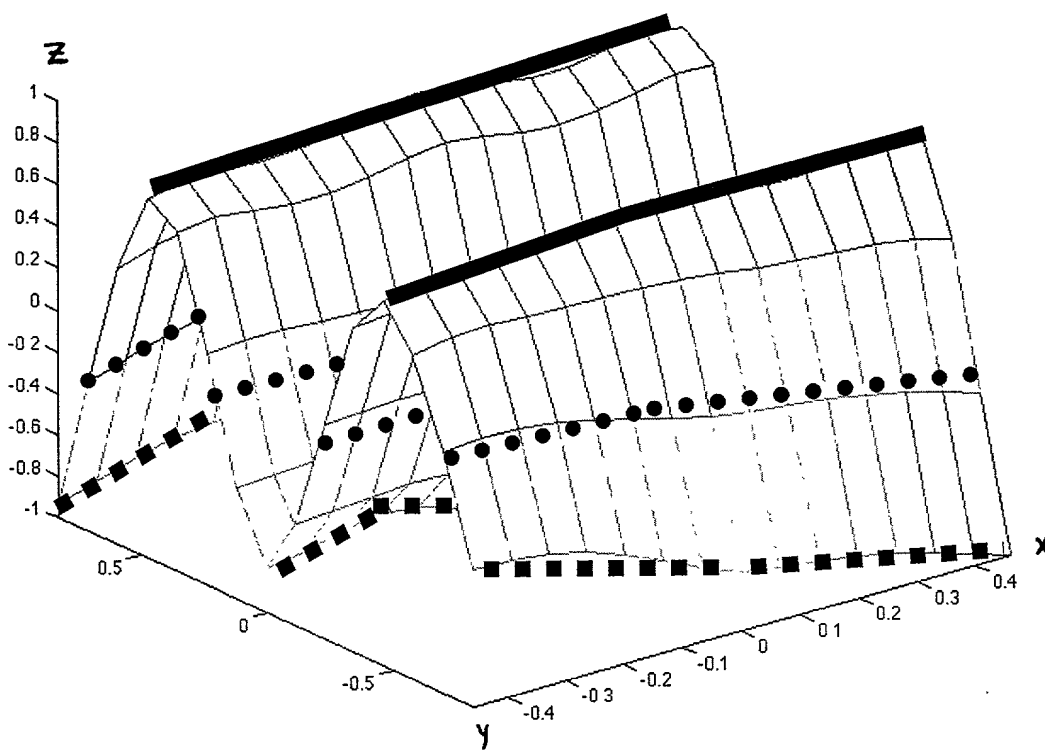


FIG. 16

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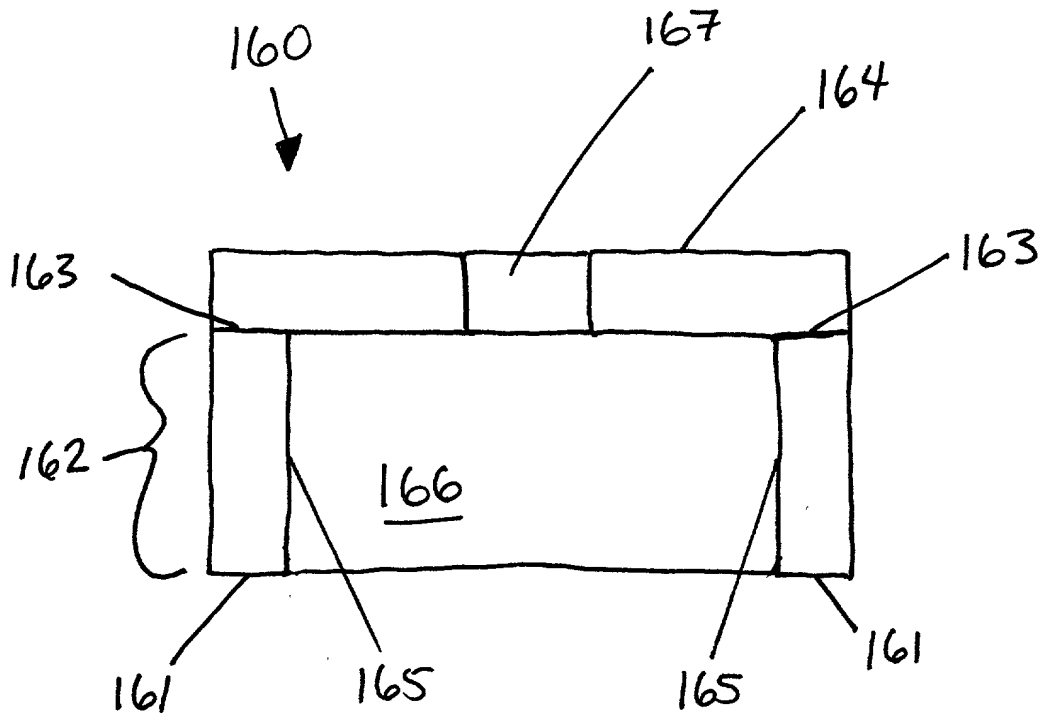


FIG. 18A

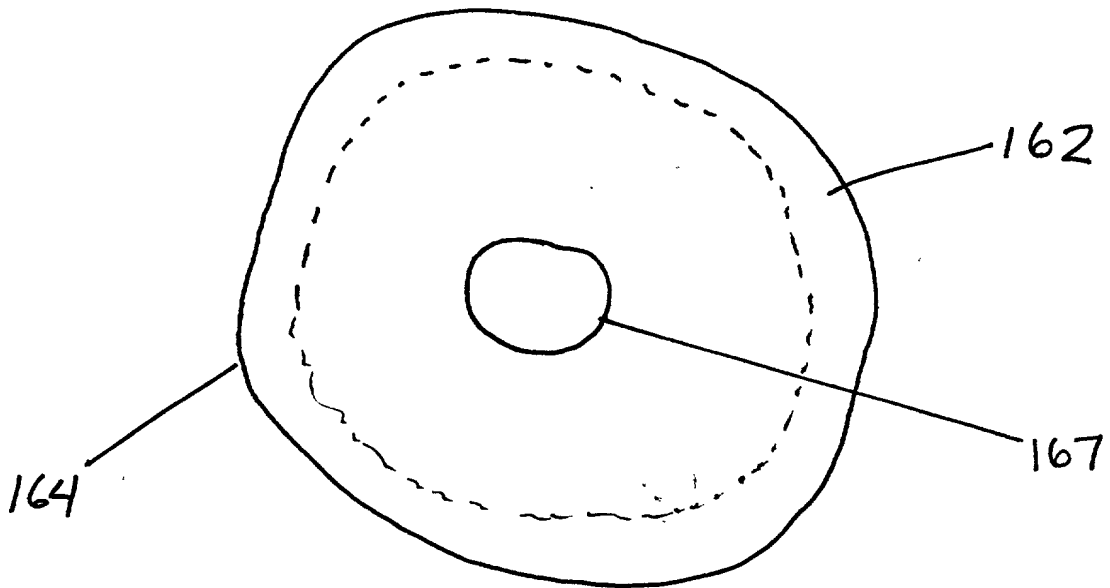


FIG. 18B

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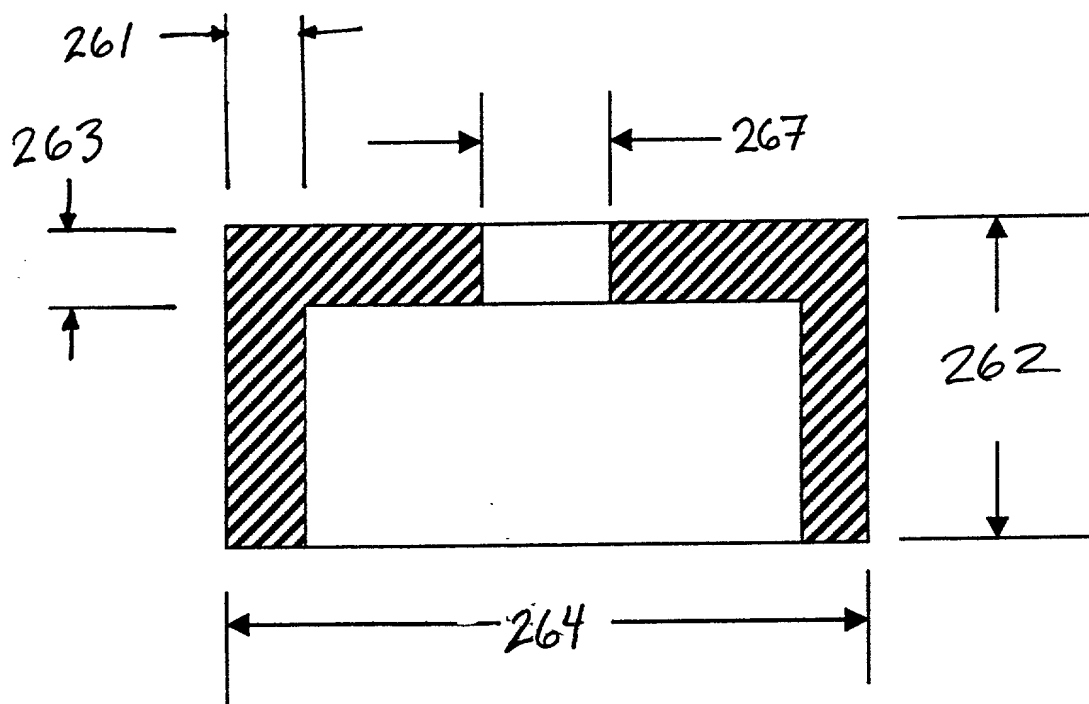


FIG. 19

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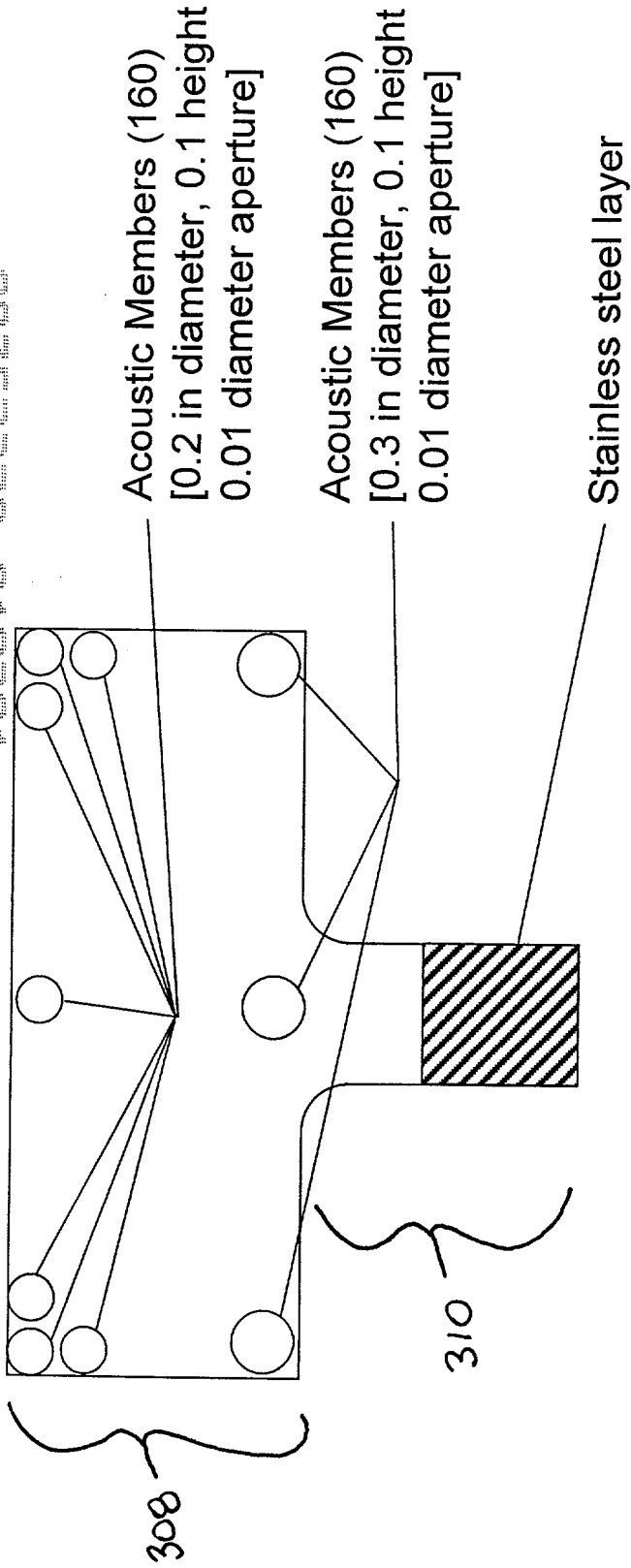


FIG. 20

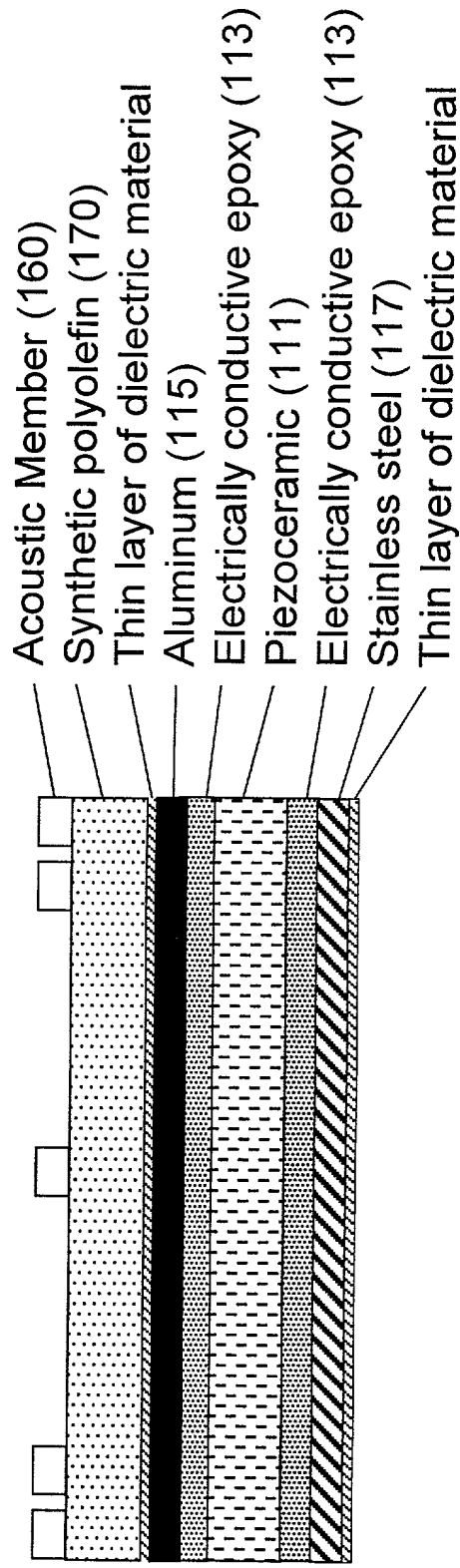


FIG. 21

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